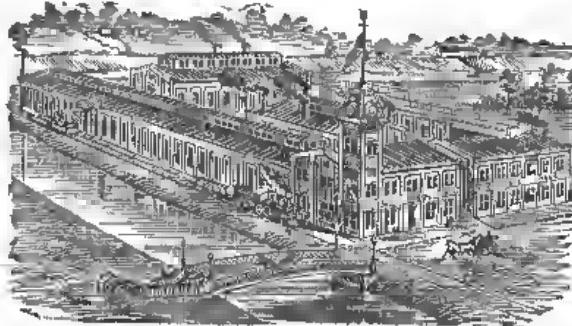


MACHINE TOOLS AND IRON-WORKING MACHINERY OF EVERY DESCRIPTION.

Boring & Turning Mills,

Driving Wheel Lathes,
Hydrostatic Wheel Presses,
CAR AILE LATHES,
CAR WHEEL BORERS,
SCREW MACHINES,
JEWELER'S LATHE
Machines.



IRON PLANER,
ENGINE LATHES,
Upright Drill Presses,
SPECIAL PULLEY
TURNING LATHES,
SPECIAL CUTTING TOOLS,
MACHINES, &c., &c.

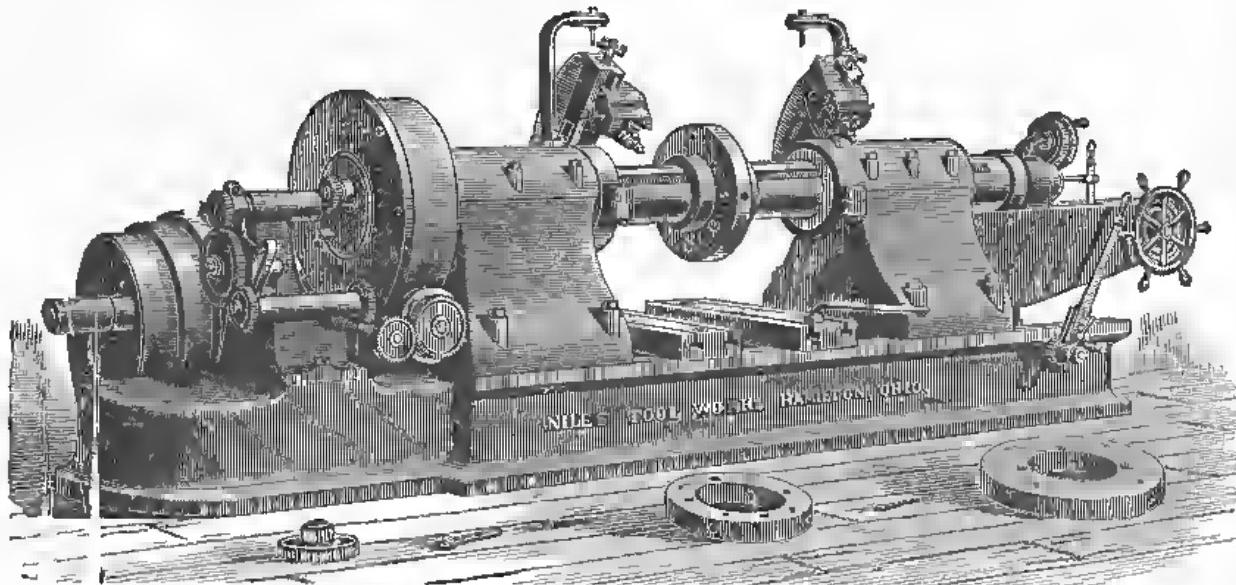
NILES TOOL WORKS, HAMILTON, OHIO.

NEW YORK, 96 Liberty St.

PHILADELPHIA, 705 Arch Street.

CHICAGO, 96 Lake St.

MACHINE TOOLS.



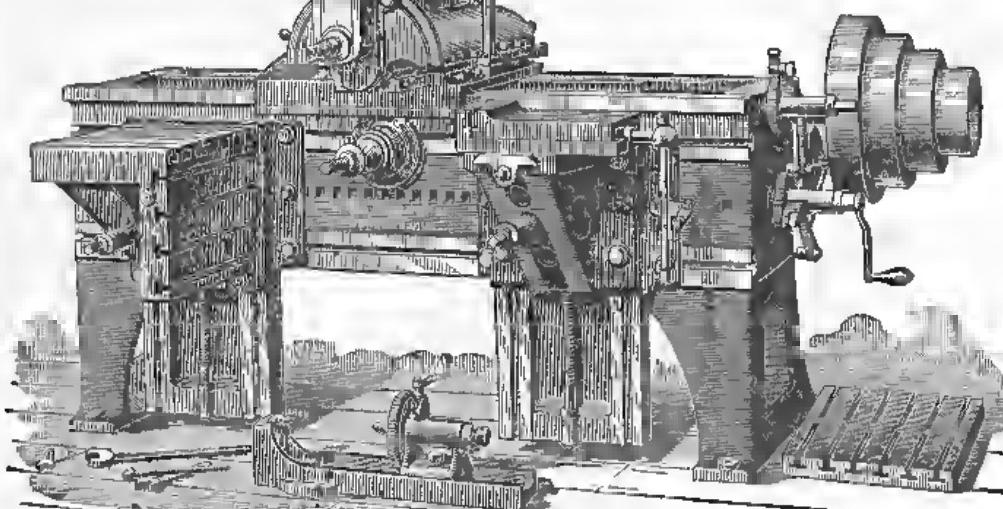
CYLINDER BORING MACHINE

THE **NILES TOOL WORKS** co.,
HAMILTON, OHIO.

**THE NILES TOOL WORKS CO., HAMILTON,
OHIO.**

MACHINE TOOLS.

Complete Equipments.



16-INCH SHAPING MACHINE.

NEW YORK,

CHICAGO,

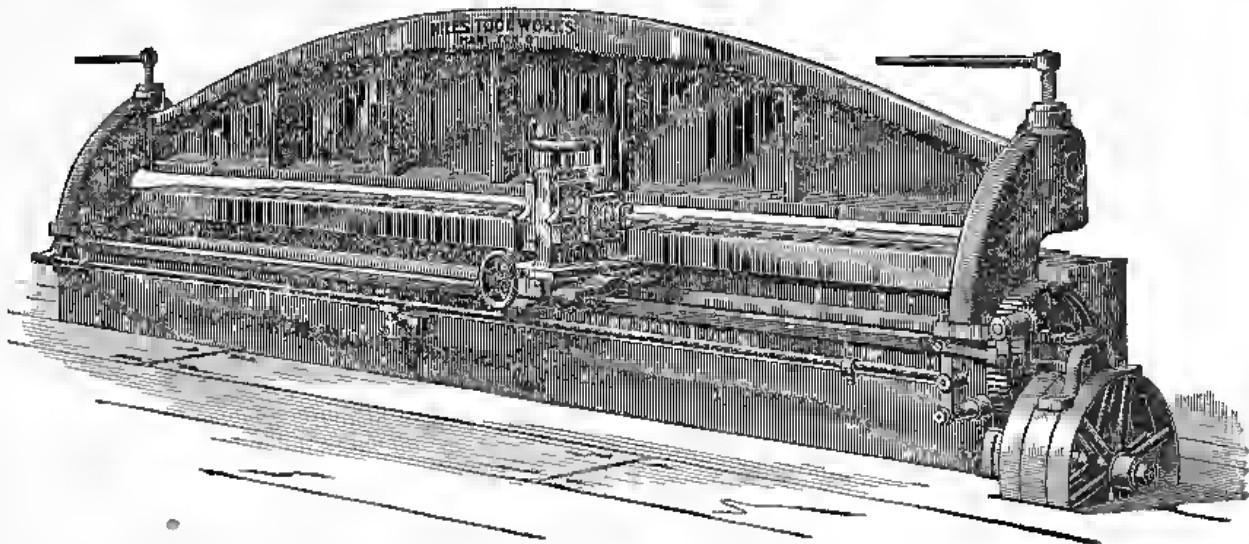
BOSTON,

PHILADELPHIA,

PITTSBURGH.

THE **NILES TOOL WORKS** co.,

HAMILTON,
OHIO.



NO. 1 PLATE PLANER, COMPOUND REST

MACHINE TOOLS.

NEW YORK,

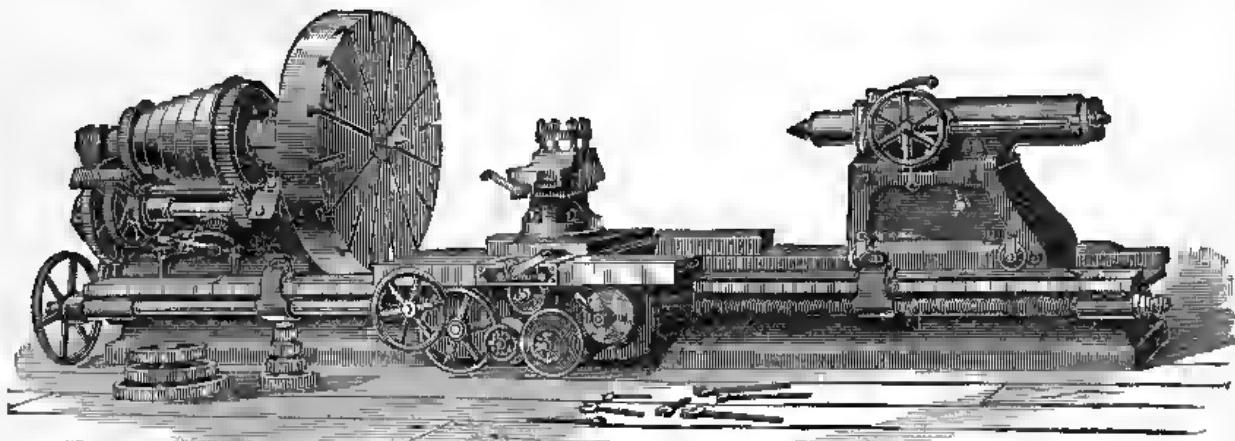
BOSTON,

CHICAGO,

PHILADELPHIA,

PITTSBURGH.

MACHINE TOOLS.



63-INCH FORCE LATHE.

THE NILES TOOL WORKS co.,
HAMILTON, OHIO.

Correspondence Solicited.

NILES TOOL WORKS, HAMILTON, OHIO.

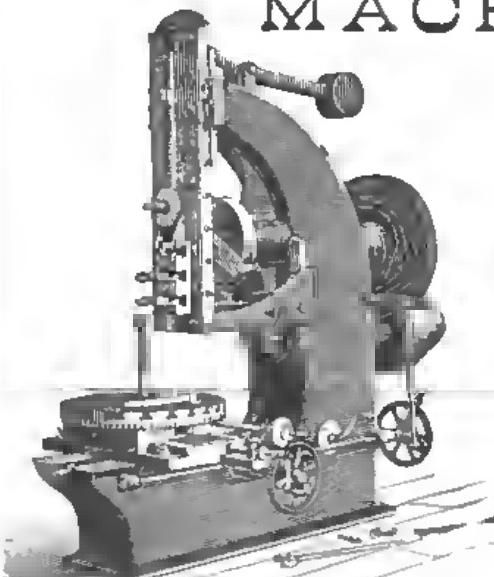
MACHINE TOOLS.

SLOTTING MACHINES.

In sizes from $6\frac{1}{2}$ -inch stroke to 54-inch stroke.
Cutter-bar counterbalanced and provided with
quick return motion. Feeds are longitudinal,
transverse and circular, all automatic.

Special Iron and Steel-working machinery for
all classes of machine shops.

Correspondence solicited.



14-INCH SLOTTING MACHINE.

NEW YORK,

130 & 138 LIBERTY ST.

PHILADELPHIA,

705 ARCH ST.

CHICAGO,

PHENIX BLDG.

PITTSBURGH,

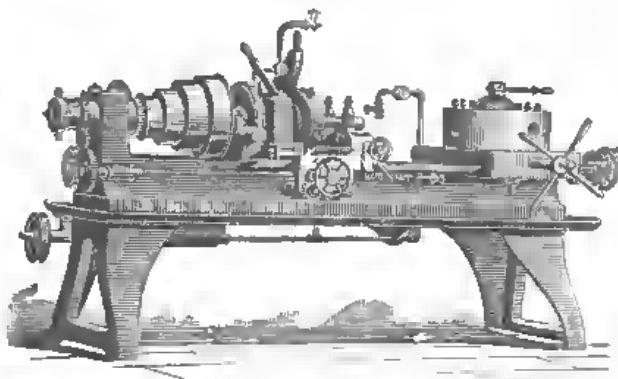
LEWIS BLDG.

NILES TOOL WORKS,

HAMILTON, OHIO.

MACHINE TOOLS.

SCREW MACHINES.



No. 3 SCREW MACHINE

Machine Shops of all kinds equipped complete. Correspondence solicited.

NEW YORK,

136 & 138 LIBERTY ST

PHILADELPHIA,

705 ARCH ST.

CHICAGO,

PHENIX BLDG

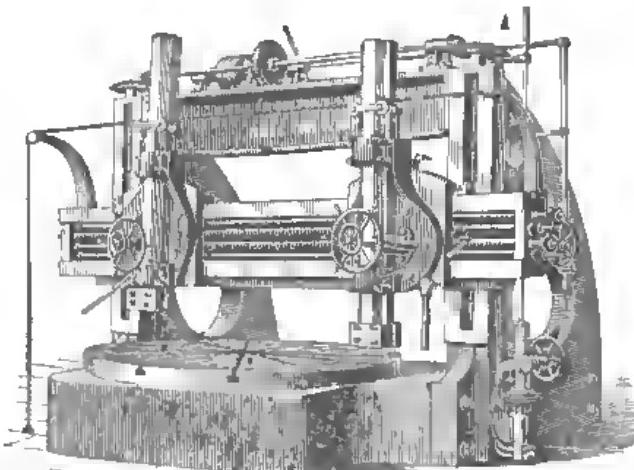
PITTSBURGH,

LEWIS BLOCK

NILES TOOL WORKS,

HAMILTON, OHIO.

MACHINE TOOLS.



12-FOOT BORING AND TURNING MILL.

NEW YORK,
135 & 137 LIBERTY ST.

PHILADELPHIA,
705 ARCH ST.

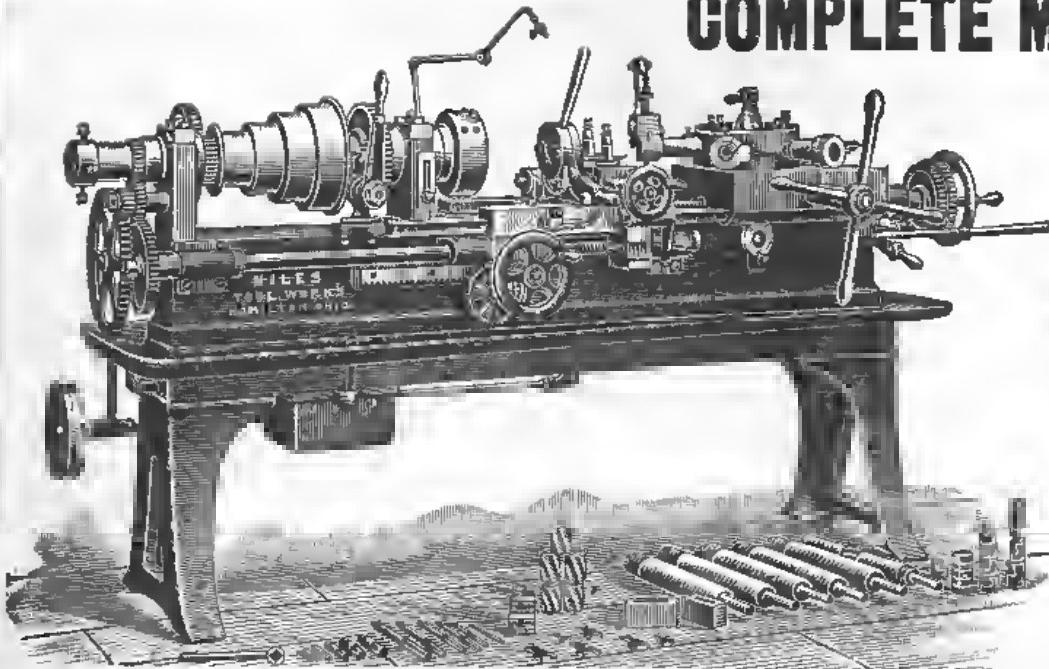
BORING AND TURNING MILLS A SPECIALTY.

Built in sizes to swing from five feet diameter to thirty feet diameter. Housings are double-webbed. Table runs on heavy spindle supported by a truncated cone extending down from bed, making machine self-contained. Boring Bars counterbalanced at all angles. Feeds automatic at all angles.

Correspondence solicited.

CHICAGO,
PHENIX BLDG

PITTSBURGH,
LEWIS BLOCK



COMPLETE MACHINE TOOL EQUIP- MENTS.

NEW YORK,

CHICAGO,

BOSTON,

PHILADELPHIA,

PITTSBURGH.

NO. 2 SCREW MACHINE,

THE **NILES TOOL WORKS** CO.,

**HAMILTON,
OHIO.**

THE NILES TOOL WORKS co.,
HAMILTON, OHIO.

37 in. to 30 ft. Swing.

**IRON AND STEEL-
WORKING
LABOR-SAVING
MACHINERY.**

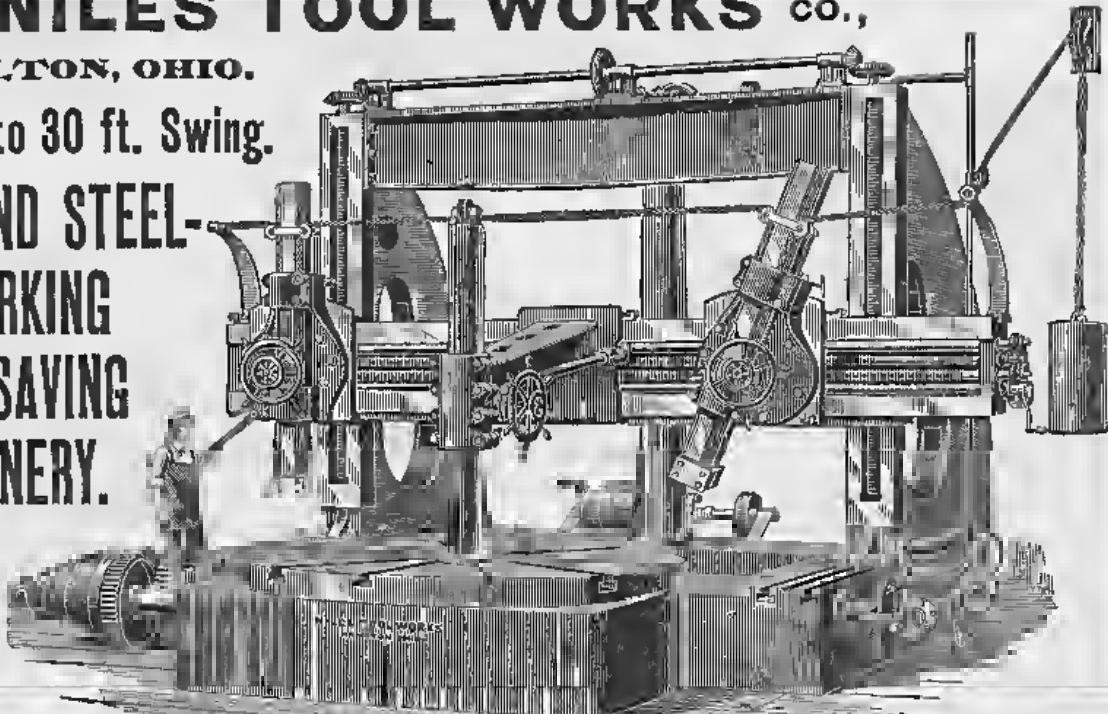
NEW YORK,

PHILADELPHIA,

BOSTON,

CHICAGO,

PITTSBURGH,



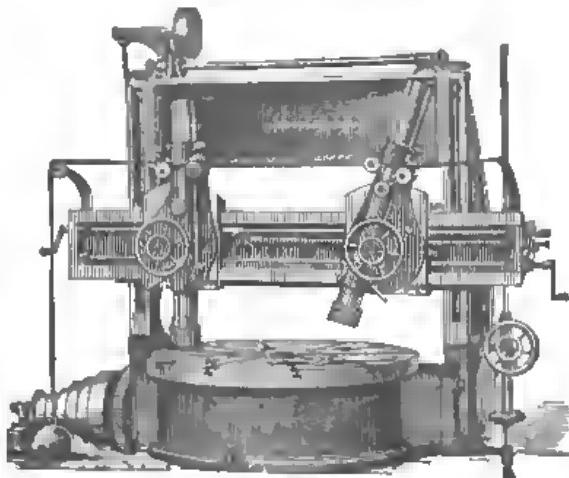
14 BY 20 FT. BORING AND TURNING MILL.

Boring and Turning Mills,

5, 6, 7, 8, 10, 12, 14 and 16 FT. SWING.

NEW MACHINE,

14-20 ft. Boring and Turning Mill. Housings and upper works arranged to slide back to take in work 20 ft. diameter. Has independent boring and key seating attachment.



NILES TOOL WORKS

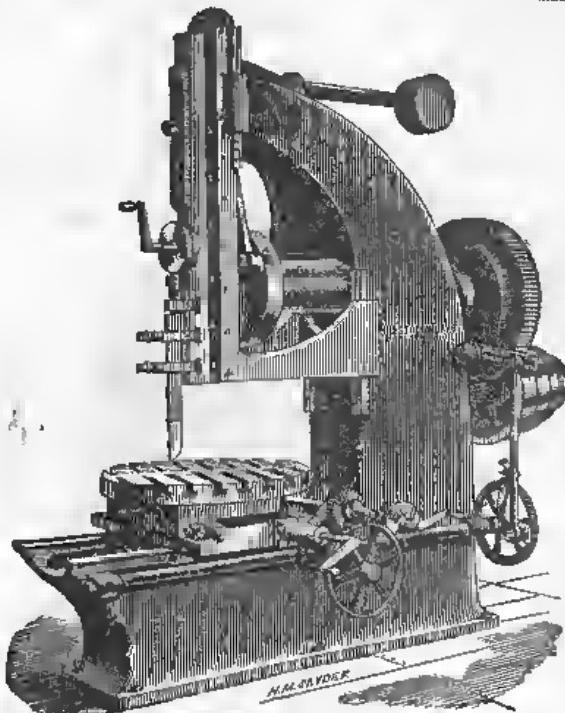
Hamilton, Ohio.

NEW YORK,
96 Liberty Street.

PHILADELPHIA,
705 Arch St.

CHICAGO.
96 Lake Street.

SLOTTING MACHINES



9 to 48 in. Stroke. New Patterns.
RAM GUIDE
ADJUSTABLE VERTICALLY.

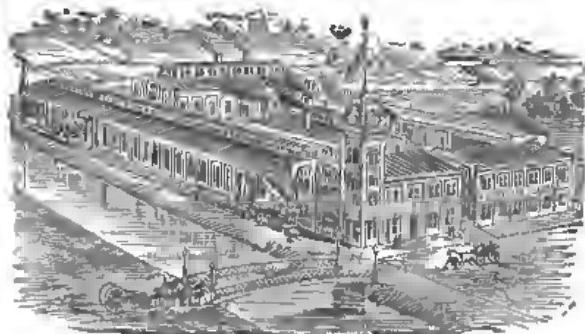
Feed always takes place at upper end of stroke—never during cut.

VERY HEAVY AND POWERFUL.

NILES TOOL WORKS

Hamilton, Ohio.

NEW YORK,	-	-	96 Liberty St.
PHILADELPHIA,	-	-	705 Arch St
CHICAGO,	-	-	96 Lake St.



MACHINE TOOLS

And Iron-Working Machinery
of every description.

BORING AND TURNING MILLS,

Driving Wheel Lathes.

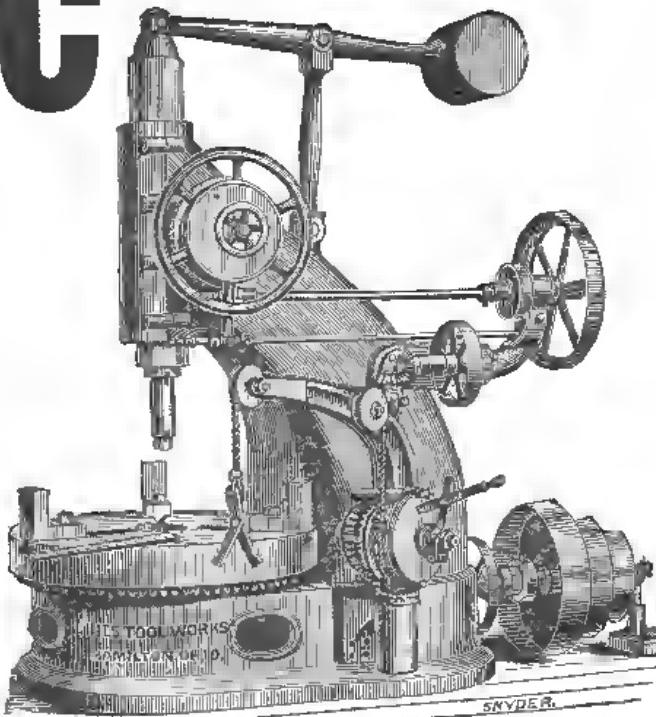
Hydrostatic Wheel Presses,
Car Axle Lathes,
Car Wheel Borers,
Screw Machines,
Universal Radial Drilling Ma-
chines.

Iron Planers,
Engine Lathes,
Upright Drill Presses.
Special Pulley Turning Lathes,
Special Pulley Boring Machines,
&c., &c., &c.

**NILES TOOL WORKS, HAMILTON,
OHIO.**

Eastern Warerooms, 22 S. Sixth St., Philadelphia, Pa.

CAR WHEEL & AXLE MACHINERY.



RAILROAD,
LOCOMOTIVE EQUIPMENTS AND
CAR SHOP

Photographs and Prices on application.

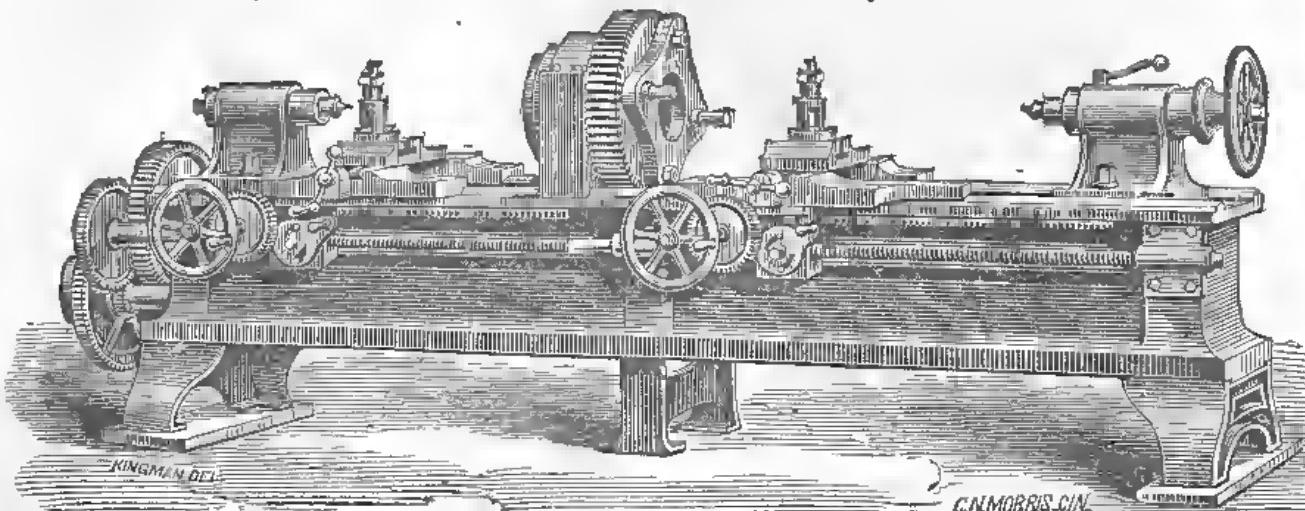
Niles Tool Works,
Hamilton, Ohio.

BRANCH OFFICES:

PHILADELPHIA:
22 S. Sixth St.

CHICAGO:
153 Lake St.

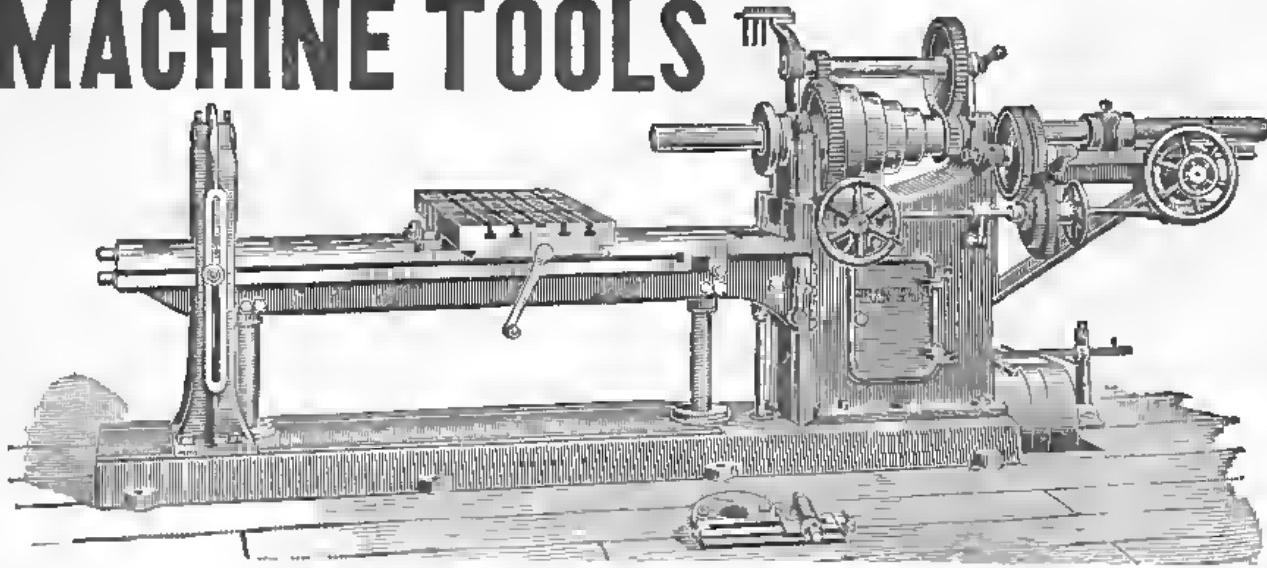
CAR WHEEL AND AXLE MACHINERY, R. R. AND LOCOMOTIVE SHOP EQUIPMENTS.



KINGMAN & CO.
C. MORRIS & CO.
DOUBLE AXLE LATHE.
NILES TOOL WORKS, HAMILTON,
OHIO.
EASTERN WAREROOMS, 22 S. SIXTH ST., PHILADELPHIA, PA.

THE NILES TOOL WORKS CO., HAMILTON,
OHIO.

MACHINE TOOLS



NO. 3 HORIZONTAL BORING AND DRILLING MACHINE.

NEW YORK,

BOSTON,

CHICAGO,

PHILADELPHIA,

PITTSBURGH.

Correspondence Solicited.

NILES TOOL WORKS

HAMILTON, OHIO.

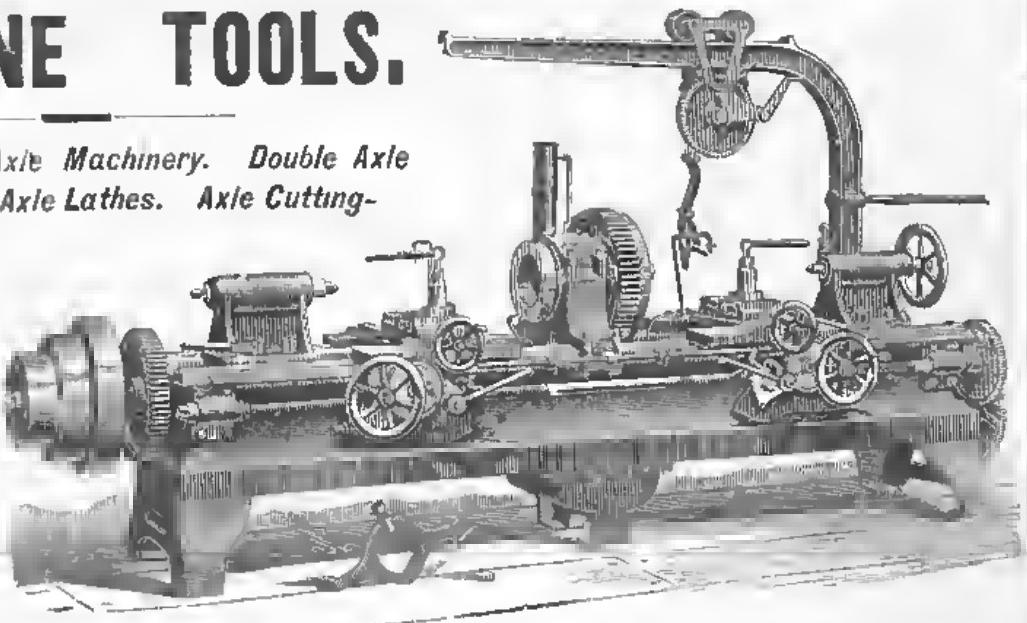
MACHINE TOOLS.

Car Wheel and Axle Machinery. Double Axle Lathes. Single Axle Lathes. Axle Cutting-off and Centering Machines.

Car Wheel Boring Machines.

Hydrostatic Wheel Presses.

Car Wheel Turning Lathe.

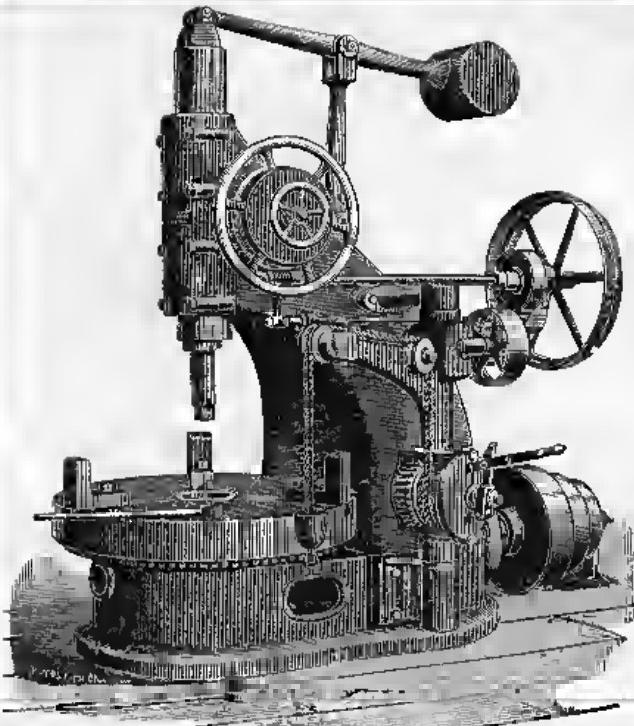


NEW YORK,
98 Liberty St.

PHILADELPHIA,
705 Arch St.

PITTSBURGH,
Lewis Block.

CHICAGO,
Phenix Building.



NILES TOOL WORKS,

HAMILTON, OHIO.

MACHINE TOOLS.

*We devote special attention to the complete
equipment of Machine Shops, Boiler*

Shops, Car Shops, etc.

Correspondence

solicited.

NEW YORK,
98 Liberty St.

PHILADELPHIA,
705 Arch St.

PITTSBURGH,
Lewis Block.

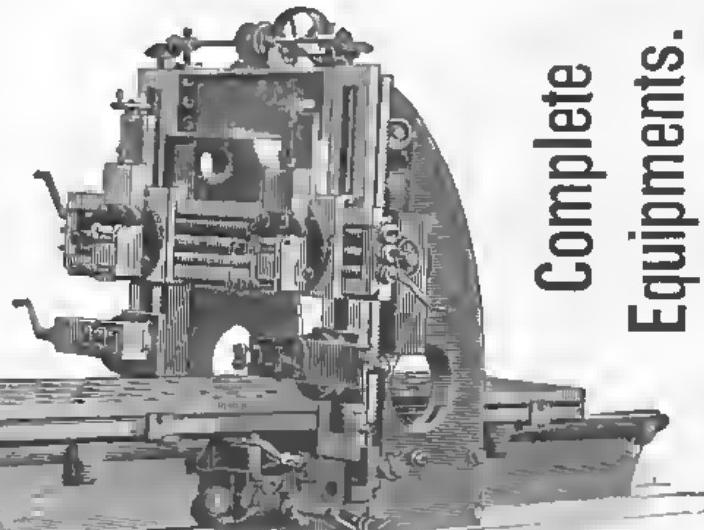
CHICAGO,
Phenix Building

SEE OUR EXHIBIT, WORLD'S FAIR.

THE NILES TOOL WORKS CO., HAMILTON,
OHIO.

MACHINE TOOLS.

Correspondence Solicited.



60-INCH PLANING MACHINE.

BRANCHES:

NEW YORK,

CHICAGO,

BOSTON,

PHILADELPHIA,

PITTSBURGH.

SEE OUR EXHIBIT, WORLD'S FAIR.

Complete
Equipments.

SEE OUR EXHIBIT, WORLD'S FAIR.

MACHINE TOOLS.

LABOR-SAVING IRON AND STEEL-
WORKING MACHINERY.

Complete Equipments.

THE NILES TOOL WORKS CO.,
HAMILTON, OHIO.

NEW YORK, CHICAGO, BOSTON,
PHILADELPHIA, PITTSBURGH.

Prices and Specifications upon
application.

NO. 1½ RADIAL DRILL.

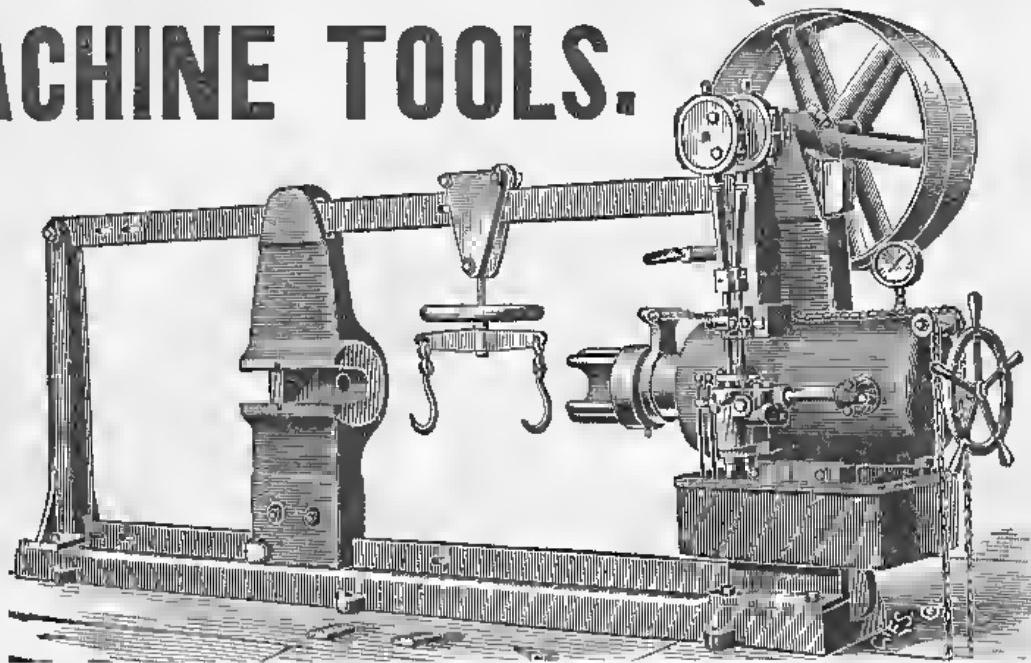
SEE OUR EXHIBIT, WORLD'S FAIR.

SEE OUR EXHIBIT, WORLD'S FAIR.

COMPLETE LABOR-SAVING EQUIPMENTS.

MACHINE TOOLS.

Correspondence
Solicited.



NO. 2 HYDROSTATIC PRESS.

THE **NILES TOOL WORKS** CO., HAMILTON,
OHIO.

SEE OUR EXHIBIT, WORLD'S FAIR.

PITTSBURGH,

CHICAGO,

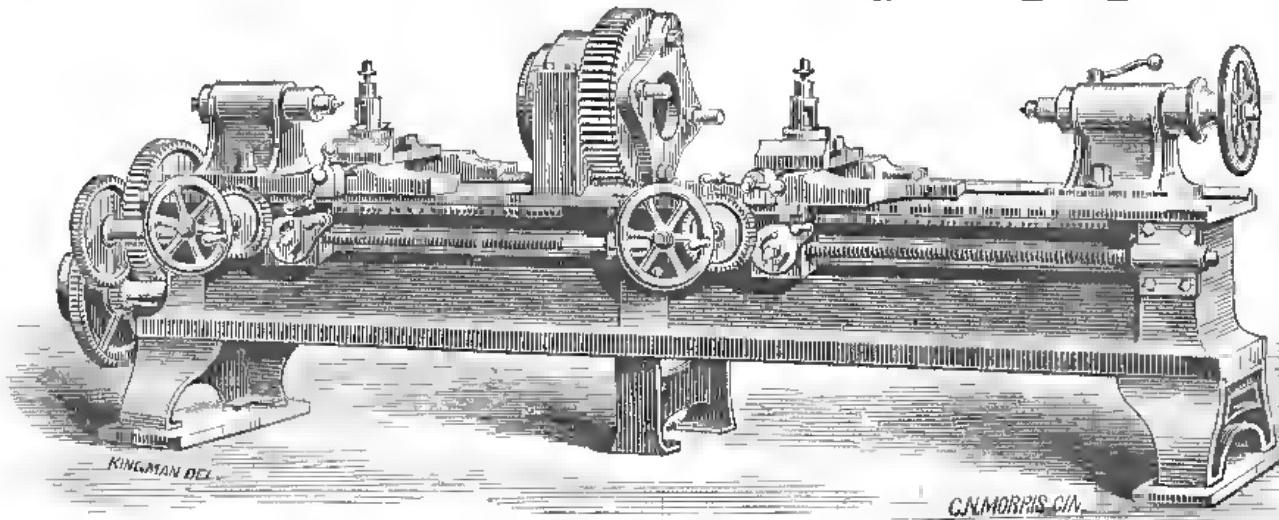
PHILADELPHIA.

BOSTON,

NEW YORK,

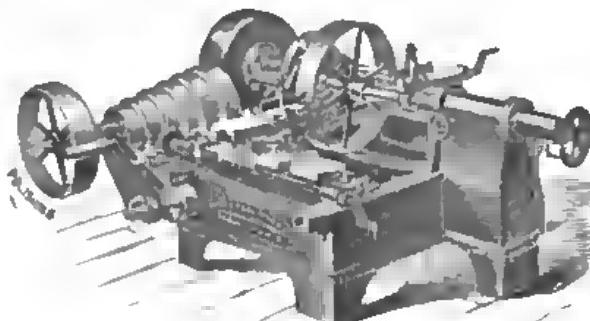
SEE OUR EXHIBIT, WORLD'S FAIR.

CAR WHEEL AND AXLE
MACHINERY,
R. R. and Locomotive Shop Equipments

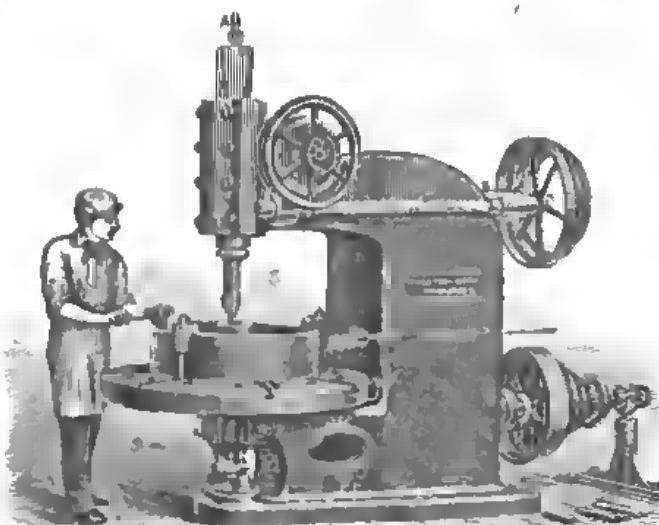


DOUBLE AXLE LATHE.
NILES TOOL WORKS
HAMILTON, OHIO.

SPECIAL PULLEY MACHINERY.



PULLEY LATHE.



PULLEY BORER.

BUILT BY

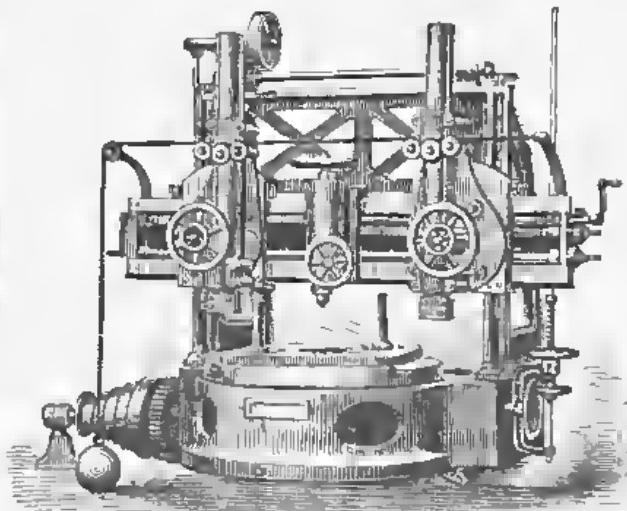
NILES TOOL WORKS,
HAMILTON, OHIO.

We refer to the following firms who are using
these machines:

Speedwell Iron Works, Glasgow, Scotland.
E. Leonard & Sons, London, Ontario.
Lidgerwood Mfg. Co., New York.
Crane Bros. Mfg. Co., Chicago, Ills;
Thos. Wood, Philadelphia, Pa.
Jas. Smith Woolen Mch'y. Co., Philadelphia, Pa.
Columbus Iron Works Co., Columbus, Ga
Buckeye Engine Co., Salem, O.
A. Plamondon Mfg. Co., Chicago, Ills.
Great Western Mfg. Co., Leavenworth, Kan.
Atlas Engine Works, Indianapolis, Ind.
E. P. Allis & Co., Milwaukee, Wis.
John T. Noye & Sons, Buffalo, N. Y.
Talbott & Sons, Richmond, Va.
Fulton Foundry, San Francisco, Cal.
O. A. Pray & Co., Minneapolis, Minn.
Bradford Mill Co., Cincinnati, O.
Defiance Machine Works, Defiance, O.
Butterworth & Lowe, Grand Rapids, Mich

Boring and Turning Mills.

ALL SIZES: 4, 5, 6, 8, 10, and 12 FEET SWINGS.



PATENTED IMPROVEMENTS.

New Patterns.

Machinists' Tools.

The Latest and Best, at very
Moderate Prices.

NILES TOOL WORKS,

HAMILTON, OHIO.